LOG BOOK

LOCATION: Akashvani Layout 8th Cross **DATE:** 28/11/2022

Name of Work: Maintenance of water supply Existing borewells in Ward No. 09 Amruthahalli.

Sl. No.	Approved Qty.	Description	Unit	Used	Remarks
1	25	A) Rewinding The lifting of submergible pumpset from well	Each	1	
2	25	Transportation of pumping machineries	Each	1	
3	25	The Labour charges only for overhauling	Each	1	
4	10	A) Repairs to Motor: Rewinding of submergible pumpset with copper winding wires of appropriate guage, as per specifications and / or directions of the departmental officials, including all materials, labour, equipment and testing. for all types of submergible pumpsets etc.(with guarantee period not less than 6 months) For all types of submergible pumpsets above 10 H.P and upto 11 H.P.	Each	1	
5	15	For all types of submergible pumpsets above 11 H.P and upto 12 H.P	Each		
6	25	B) Replacement of Motor Parts:The STATOR of motor 4 to 5 H.P	Each	1	
7	25	The STATOR of motor 4 to 5 H.P	Each	1	
8	25	The upper flange	Each	1	
9	25	The lower flange	Each	1	
10	25	Upper / lower housing	Each	1	
11	25	Carbon housing Thrust bearing block assembly complete with segment bearing pad & tip carbon/Ferradopadding pad.	Each	1	
12	25	C) Replacement of pump parts: The following main components of submersible pump sets requiring replacement. The Oil Seal.	Each	1	
13	25	The Oil Seal.and steel bush	Each	1	
14	650	The Guide Vane	Each	38	
15	650	The Impeller (Shell moulded with aluminium and bronze.)	Each	38	
16	25	The discharge outlet (DO) bearing DO steel bush DO bearing	Each	1	
17	25	The steel bearing bush (DO steel bush)	Each	1	
18	25	The pump shaft made out of stainless steel counterless ground with key way (upto 8 stages). Extra for each stage @ Rs.40/-.	Each	1	
19	25	The Non Return Valve (NRV) assembly complete with rubber 'O' ring.	Each	1	
20	25	The cable guard	Each	1	
21	25	The brass filter	Each	1	
22	25	The Re-errection charges of pumping machineries including overhauling and painting	Each	1	
23	600	Additional Parts Submersible Cable 1x3x6.0 Sq.mm	M		
24	120	Providing, Supplying and fixing suitable for 1.1 KV class UG cable filled with necessary bitumen / insulating compound complete with terminals, clamps, bolts, nuts and washers etc. with necessary materials and labour tools and equipments as per instructions of engineer incharge of work.3x6 Sqm	M		
25	120	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) For Cutting Road Surface	M		
26	12	~~Supplying~~ and fixing of class A (medium duty) GI pipe of wall thickness ~~not less than~~ 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.40mm dia GI pipe	M	8	
27	5	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. 16Sqmm	No.		
28	3	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia	Job		
29	60	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.32 Amps	No.		
30	10	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6-32Amps TPN	No.	1	

Sl. No.	Approved Qty.	Description	Unit	Used	Rema...
31	46800	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete	Sq.Cm.		
32	50.63	Earth work excavation for pipeline trenches in all kinds of soils by mechanical means above 600 mm trench width as per drawing and technical specifications, including setting out, construction of shoring, strutting, barricading, caution lights, bracing, using sight rails & boning rods at every 100 mm whevere necessary as directed, removal of stumps and other deleterious matter, dressing of sides and levelling the bottom of trench to the extent required , utilising the available excavated earth locally for the work etc., and all other appurtenances complete in the following strata. All kinds of soils. Depth upto 1.50 m	Cum		
33	250	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete., 75mm(weight of pipe -0.917 kg	Rmtr		
34	28.13	Supplying and filling in plinth with sand under floors, foundation of Bridges including watering, ramming, consolidating and dressing complete	Cum		
35	22.5	Refilling available earth around trenches / pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications	Cum		
36	13	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendment Size 65 mm	Each	1	

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

LOG BOOK

2 **LOCATION:** Akashvani Layout 9th cross **DATE:** 28/4/23

Name of Work: Maintenance of water supply Existing borewells in Ward No. 09 Amruthahalli.

Sl. No.	Approved Qty.	Description	Unit	Used	Remarks
1	25	A) Rewinding The lifting of submergible pumpset from well	Each	1	
2	25	Transportation of pumping machineries	Each	1	
3	25	The Labour charges only for overhauling	Each	1	
4	10	A) Repairs to Motor: Rewinding of submergible pumpset with copper winding wires of appropriate guage, as per specifications and / or directions of the departmental officials, including all materials, labour, equipment and testing. for all types of submergible pumpsets etc.(with guarantee period not less than 6 months) For all types of submergible pumpsets above 10 H.P and upto 11 H.P.	Each		
5	15	For all types of submergible pumpsets above 11 H.P and upto 12 H.P	Each	1	
6	25	B) Replacement of Motor Parts:The STATOR of motor 4 to 5 H.P	Each	1	
7	25	The STATOR of motor 4 to 5 H.P	Each	1	
8	25	The upper flange	Each	1	
9	25	The lower flange	Each	1	
10	25	Upper / lower housing	Each	1	
11	25	Carbon housing Thrust bearing block assembly complete with segment bearing pad & tip carbon/Ferradopadding pad.	Each	1	
12	25	C) Replacement of pump parts: The following main components of submersible pump sets requiring replacement. The Oil Seal.	Each	1	
13	25	The Oil Seal.and steel bush	Each	1	
14	650	The Guide Vane	Each		
15	650	The Impeller (Shell moulded with aluminium and bronze.)	Each		
16	25	The discharge outlet (DO) bearing DO steel bush DO bearing	Each	1	
17	25	The steel bearing bush (DO steel bush)	Each	1	
18	25	The pump shaft made out of stainless steel counterless ground with key way (upto 8 stages). Extra for each stage @ Rs.40/-.	Each	1	
19	25	The Non Return Valve (NRV) assembly complete with rubber 'O' ring.	Each	1	
20	25	The cable guard	Each	1	
21	25	The brass filter	Each	1	
22	25	The Re-errection charges of pumping machineries including overhauling and painting	Each	1	
23	600	Additional Parts Submersible Cable 1x3x6.0 Sq.mm	M		
24	120	Providing, Supplying and fixing suitable for 1.1 KV class UG cable filled with necessary bitumen / insulating compound complete with terminals, clamps, bolts, nuts and washers etc. with necessary materials and labour tools and equipments as per instructions of engineer incharge of work.3x6 Sqm	M		
25	120	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) For Cutting Road Surface	M		
26	12	~~Supplying~~ and fixing of class A (medium duty) GI pipe of wall thickness ~~not less than~~ 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.40mm dia GI pipe	M		
27	5	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. 16Sqmm	No.	1	
28	3	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia	Job	1	
29	60	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.32 Amps	No.	3	
30	10	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6-32Amps TPN	No.	1	

Sl. No.	Approved Qty.	Description	Unit	Used	Rema
31	46800	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete	Sq.Cm.		
32	50.63	Earth work excavation for pipeline trenches in all kinds of soils by mechanical means above 600 mm trench width as per drawing and technical specifications, including setting out, construction of shoring, strutting, barricading, caution lights, bracing, using sight rails & boning rods at every 100 mm whevere necessary as directed, removal of stumps and other deleterious matter, dressing of sides and levelling the bottom of trench to the extent required , utilising the available excavated earth locally for the work etc., and all other appurtenances complete in the following strata. All kinds of soils. Depth upto 1.50 m	Cum		
33	250	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete., 75mm(weight of pipe -0.917 kg	Rmtr		
34	28.13	Supplying and filling in plinth with sand under floors, foundation of Bridges including watering, ramming, consolidating and dressing complete	Cum		
35	22.5	Refilling available earth around trenches / pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications	Cum		
36	13	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendment Size 65 mm	Each		

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

LOG BOOK

3 **LOCATION:** Akashvani layout 6th cross. **DATE:** 29/11/22

Name of Work: Maintenance of water supply Existing borewells in Ward No. 09 Amruthahalli.

Sl. No.	Approved Qty.	Description	Unit	Used	Remarks
1	25	A) Rewinding The lifting of submergible pumpset from well	Each	1	
2	25	Transportation of pumping machineries	Each	1	
3	25	The Labour charges only for overhauling	Each	1	
4	10	A) Repairs to Motor: Rewinding of submergible pumpset with copper winding wires of appropriate guage, as per specifications and / or directions of the departmental officials, including all materials, labour, equipment and testing. for all types of submergible pumpsets etc.(with guarantee period not less than 6 months) For all types of submergible pumpsets above 10 H.P and upto 11 H.P.	Each		
5	15	For all types of submergible pumpsets above 11 H.P and upto 12 H.P	Each	1	
6	25	B) Replacement of Motor Parts:The STATOR of motor 4 to 5 H.P	Each	1	
7	25	The STATOR of motor 4 to 5 H.P	Each	1	
8	25	The upper flange	Each	1	
9	25	The lower flange	Each	1	
10	25	Upper / lower housing	Each	1	
11	25	Carbon housing Thrust bearing block assembly complete with segment bearing pad & tip carbon/Ferradopadding pad.	Each	1	
12	25	C) Replacement of pump parts: The following main components of submersible pump sets requiring replacement. The Oil Seal.	Each	1	
13	25	The Oil Seal.and steel bush	Each	1	
14	650	The Guide Vane	Each		
15	650	The Impeller (Shell moulded with aluminium and bronze.)	Each		
16	25	The discharge outlet (DO) bearing DO steel bush DO bearing	Each	1	
17	25	The steel bearing bush (DO steel bush)	Each	1	
18	25	The pump shaft made out of stainless steel counterless ground with key way (upto 8 stages). Extra for each stage @ Rs.40/-.	Each	1	
19	25	The Non Return Valve (NRV) assembly complete with rubber 'O' ring.	Each	1	
20	25	The cable guard	Each	1	
21	25	The brass filter	Each	1	
22	25	The Re-errection charges of pumping machineries including overhauling and painting	Each	1	
23	600	Additional Parts Submersible Cable 1x3x6.0 Sq.mm	M		
24	120	Providing, Supplying and fixing suitable for 1.1 KV class UG cable filled with necessary bitumen / insulating compound complete with terminals, clamps, bolts, nuts and washers etc. with necessary materials and labour tools and equipments as per instructions of engineer incharge of work.3x6 Sqm	M		
25	120	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) For Cutting Road Surface	M		
26	12	~~Supplying~~ and fixing of class A (medium duty) GI pipe of wall thickness ~~not less than~~ 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.40mm dia GI pipe	M		
27	5	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. 16Sqmm	No.		
28	3	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia	Job		
29	60	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.32 Amps	No.	3	
30	10	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6-32Amps TPN	No.		

Sl. No.	Approved Qty.	Description	Unit	Used	Rema...
31	46800	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete	Sq.Cm.		
32	50.63	Earth work excavation for pipeline trenches in all kinds of soils by mechanical means above 600 mm trench width as per drawing and technical specifications, including setting out, construction of shoring, strutting, barricading, caution lights, bracing, using sight rails & boning rods at every 100 mm whevere necessary as directed, removal of stumps and other deleterious matter, dressing of sides and levelling the bottom of trench to the extent required , utilising the available excavated earth locally for the work etc., and all other appurtenances complete in the following strata. All kinds of soils. Depth upto 1.50 m	Cum		
33	250	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete., 75mm(weight of pipe -0.917 kg	Rmtr		
34	28.13	Supplying and filling in plinth with sand under floors, foundation of Bridges including watering, ramming, consolidating and dressing complete	Cum		
35	22.5	Refilling available earth around trenches / pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications	Cum		
36	13	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendment Size 65 mm	Each		

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

LOG BOOK

LOCATION: Bhuvaneshwari nagar 17th cross **DATE:** 29/1/22.

Name of Work: Maintenance of water supply Existing borewells in Ward No. 09 Amruthahalli.

Sl. No.	Approved Qty.	Description	Unit	Used	Remarks
1	25	A) Rewinding The lifting of submergible pumpset from well	Each	1	
2	25	Transportation of pumping machineries	Each	1	
3	25	The Labour charges only for overhauling	Each	1	
4	10	A) Repairs to Motor: Rewinding of submergible pumpset with copper winding wires of appropriate guage, as per specifications and / or directions of the departmental officials, including all materials, labour, equipment and testing. for all types of submergible pumpsets etc.(with guarantee period not less than 6 months) For all types of submergible pumpsets above 10 H.P and upto 11 H.P.	Each		
5	15	For all types of submergible pumpsets above 11 H.P and upto 12 H.P	Each	1	
6	25	B) Replacement of Motor Parts:The STATOR of motor 4 to 5 H.P	Each	1	
7	25	The STATOR of motor 4 to 5 H.P	Each	1	
8	25	The upper flange	Each	1	
9	25	The lower flange	Each	1	
10	25	Upper / lower housing	Each	1	
11	25	Carbon housing Thrust bearing block assembly complete with segment bearing pad & tip carbon/Ferradopadding pad.	Each	1	
12	25	C) Replacement of pump parts: The following main components of submersible pump sets requiring replacement. The Oil Seal.	Each	1	
13	25	The Oil Seal.and steel bush	Each	1	
14	650	The Guide Vane	Each	40	
15	650	The Impeller (Shell moulded with aluminium and bronze.)	Each	40	
16	25	The discharge outlet (DO) bearing DO steel bush DO bearing	Each	1	
17	25	The steel bearing bush (DO steel bush)	Each	1	
18	25	The pump shaft made out of stainless steel counterless ground with key way (upto 8 stages). Extra for each stage @ Rs.40/-.	Each	1	
19	25	The Non Return Valve (NRV) assembly complete with rubber 'O' ring.	Each	1	
20	25	The cable guard	Each	1	
21	25	The brass filter	Each	1	
22	25	The Re-errection charges of pumping machineries including overhauling and painting	Each	1	
23	600	Additional Parts Submersible Cable 1x3x6.0 Sq.mm	M	-	
24	120	Providing, Supplying and fixing suitable for 1.1 KV class UG cable filled with necessary bitumen / insulating compound complete with terminals, clamps, bolts, nuts and washers etc. with necessary materials and labour tools and equipments as per instructions of engineer incharge of work.3x6 Sqm	M	25	
25	120	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) For Cutting Road Surface	M	25	
26	12	~~Supplying~~ and fixing of class A (medium duty) GI pipe of wall thickness ~~not less than~~ 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.40mm dia GI pipe	M	6	
27	5	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. 16Sqmm	No.	1	
28	3	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia	Job		
29	60	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.32 Amps	No.	3	
30	10	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6-32Amps TPN	No.	1	

Sl. No.	Approved Qty.	Description	Unit	Used	Rema...
31	46800	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete	Sq.Cm.		
32	50.63	Earth work excavation for pipeline trenches in all kinds of soils by mechanical means above 600 mm trench width as per drawing and technical specifications, including setting out, construction of shoring, strutting, barricading, caution lights, bracing, using sight rails & boning rods at every 100 mm whevere necessary as directed, removal of stumps and other deleterious matter, dressing of sides and levelling the bottom of trench to the extent required , utilising the available excavated earth locally for the work etc., and all other appurtenances complete in the following strata. All kinds of soils. Depth upto 1.50 m	Cum		
33	250	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete., 75mm(weight of pipe -0.917 kg	Rmtr		
34	28.13	Supplying and filling in plinth with sand under floors, foundation of Bridges including watering, ramming, consolidating and dressing complete	Cum		
35	22.5	Refilling available earth around trenches / pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications	Cum		
36	13	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendment Size 65 mm	Each	1	

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

LOG BOOK

5 **LOCATION:** Bhuvaneshwarinagar 2nd cross **DATE:** 01/12/22

Name of Work: Maintenance of water supply Existing borewells in Ward No. 09 Amruthahalli.

Sl. No.	Approved Qty.	Description	Unit	Used	Remarks
1	25	A) Rewinding The lifting of submergible pumpset from well	Each	1	
2	25	Transportation of pumping machineries	Each	1	
3	25	The Labour charges only for overhauling	Each	1	
4	10	A) Repairs to Motor: Rewinding of submergible pumpset with copper winding wires of appropriate guage, as per specifications and / or directions of the departmental officials, including all materials, labour, equipment and testing. for all types of submergible pumpsets etc.(with guarantee period not less than 6 months) For all types of submergible pumpsets above 10 H.P and upto 11 H.P.	Each		
5	15	For all types of submergible pumpsets above 11 H.P and upto 12 H.P	Each	1	
6	25	B) Replacement of Motor Parts:The STATOR of motor 4 to 5 H.P	Each	1	
7	25	The STATOR of motor 4 to 5 H.P	Each	1	
8	25	The upper flange	Each	1	
9	25	The lower flange	Each	1	
10	25	Upper / lower housing	Each	1	
11	25	Carbon housing Thrust bearing block assembly complete with segment bearing pad & tip carbon/Ferradopadding pad.	Each	1	
12	25	C) Replacement of pump parts: The following main components of submersible pump sets requiring replacement. The Oil Seal.	Each	1	
13	25	The Oil Seal.and steel bush	Each	1	
14	650	The Guide Vane	Each	38	
15	650	The Impeller (Shell moulded with aluminium and bronze.)	Each	38	
16	25	The discharge outlet (DO) bearing DO steel bush DO bearing	Each	1	
17	25	The steel bearing bush (DO steel bush)	Each	1	
18	25	The pump shaft made out of stainless steel counterless ground with key way (upto 8 stages). Extra for each stage @ Rs.40/-.	Each	1	
19	25	The Non Return Valve (NRV) assembly complete with rubber 'O' ring.	Each	1	
20	25	The cable guard	Each	1	
21	25	The brass filter	Each	1	
22	25	The Re-errection charges of pumping machineries including overhauling and painting	Each	1	
23	600	Additional Parts Submersible Cable 1x3x6.0 Sq.mm	M		
24	120	Providing, Supplying and fixing suitable for 1.1 KV class UG cable filled with necessary bitumen / insulating compound complete with terminals, clamps, bolts, nuts and washers etc. with necessary materials and labour tools and equipments as per instructions of engineer incharge of work.3 x6 Sqm	M		
25	120	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) For Cutting Road Surface	M		
26	12	~~Supplying~~ and fixing of class A (medium duty) GI pipe of wall thickness ~~not less than~~ 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.40mm dia GI pipe	M		
27	5	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. 16Sqmm	No.		
28	3	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia	Job		
29	60	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.32 Amps	No.	3	
30	10	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6-32Amps TPN	No.		

Sl. No.	Approved Qty.	Description	Unit	Used	Remarks
31	46800	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete	Sq.Cm.		
32	50.63	Earth work excavation for pipeline trenches in all kinds of soils by mechanical means above 600 mm trench width as per drawing and technical specifications, including setting out, construction of shoring, strutting, barricading, caution lights, bracing, using sight rails & boning rods at every 100 mm whevere necessary as directed, removal of stumps and other deleterious matter, dressing of sides and levelling the bottom of trench to the extent required , utilising the available excavated earth locally for the work etc., and all other appurtenances complete in the following strata. All kinds of soils. Depth upto 1.50 m	Cum		
33	250	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete., 75mm(weight of pipe -0.917 kg	Rmtr		
34	28.13	Supplying and filling in plinth with sand under floors, foundation of Bridges including watering, ramming, consolidating and dressing complete	Cum		
35	22.5	Refilling available earth around trenches / pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications	Cum		
36	13	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendment Size 65 mm	Each	1	

Assistant Executive Engineer
Kodigeballi Sub Division
BBMP, Bangalore

LOG BOOK

6) **LOCATION:** Maruthi layout 12th cross infront of APPT **DATE:** 02/12/22.

Name of Work: Maintenance of water supply Existing borewells in Ward No. 09 Amruthahalli.

Sl. No.	Approved Qty.	Description	Unit	Used	Remarks
1	25	A) Rewinding The lifting of submergible pumpset from well	Each	1	
2	25	Transportation of pumping machineries	Each	1	
3	25	The Labour charges only for overhauling	Each	1	
4	10	A) Repairs to Motor: Rewinding of submergible pumpset with copper winding wires of appropriate guage, as per specifications and / or directions of the departmental officials, including all materials, labour, equipment and testing. for all types of submergible pumpsets etc.(with guarantee period not less than 6 months) For all types of submergible pumpsets above 10 H.P and upto 11 H.P.	Each		
5	15	For all types of submergible pumpsets above 11 H.P and upto 12 H.P	Each	1	
6	25	B) Replacement of Motor Parts:The STATOR of motor 4 to 5 H.P	Each	1	
7	25	The STATOR of motor 4 to 5 H.P	Each	1	
8	25	The upper flange	Each	1	
9	25	The lower flange	Each	1	
10	25	Upper / lower housing	Each	1	
11	25	Carbon housing Thrust bearing block assembly complete with segment bearing pad & tip carbon/Ferradopadding pad.	Each	1	
12	25	C) Replacement of pump parts: The following main components of submersible pump sets requiring replacement. The Oil Seal.	Each	1	
13	25	The Oil Seal.and steel bush	Each	1	
14	650	The Guide Vane	Each		
15	650	The Impeller (Shell moulded with aluminium and bronze.)	Each		
16	25	The discharge outlet (DO) bearing DO steel bush DO bearing	Each	1	
17	25	The steel bearing bush (DO steel bush)	Each	1	
18	25	The pump shaft made out of stainless steel counterless ground with key way (upto 8 stages). Extra for each stage @ Rs.40/-.	Each	1	
19	25	The Non Return Valve (NRV) assembly complete with rubber 'O' ring.	Each	1	
20	25	The cable guard	Each	1	
21	25	The brass filter	Each	1	
22	25	The Re-errection charges of pumping machineries including overhauling and painting	Each	1	
23	600	Additional Parts Submersible Cable 1x3x6.0 Sq.mm	M		
24	120	Providing, Supplying and fixing suitable for 1.1 KV class UG cable filled with necessary bitumen / insulating compound complete with terminals, clamps, bolts, nuts and washers etc. with necessary materials and labour tools and equipments as per instructions of engineer incharge of work.3 x6 Sqm	M		
25	120	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) For Cutting Road Surface	M		
26	12	~~Supplying~~ and fixing of class A (medium duty) GI pipe of wall thickness ~~not less than~~ 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.40mm dia GI pipe	M		
27	5	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. 16Sqmm	No.		
28	3	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia	Job		
29	60	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.32 Amps	No.	3	
30	10	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6-32Amps TPN	No.		

Sl. No.	Approved Qty.	Description	Unit	Used	Rema...
31	46800	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete	Sq.Cm.		
32	50.63	Earth work excavation for pipeline trenches in all kinds of soils by mechanical means above 600 mm trench width as per drawing and technical specifications, including setting out, construction of shoring, strutting, barricading, caution lights, bracing, using sight rails & boning rods at every 100 mm whevere necessary as directed, removal of stumps and other deleterious matter, dressing of sides and levelling the bottom of trench to the extent required , utilising the available excavated earth locally for the work etc., and all other appurtenances complete in the following strata. All kinds of soils. Depth upto 1.50 m	Cum		
33	250	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete., 75mm(weight of pipe -0.917 kg	Rmtr		
34	28.13	Supplying and filling in plinth with sand under floors, foundation of Bridges including watering, ramming, consolidating and dressing complete	Cum		
35	22.5	Refilling available earth around trenches / pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications	Cum		
36	13	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendment Size 65 mm	Each	1	

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

LOG BOOK

LOCATION: Maruthi layout 12th cross deadend. **DATE:** 12/12/22

Name of Work: Maintenance of water supply Existing borewells in Ward No. 09 Amruthahalli.

Sl. No.	Approved Qty.	Description	Unit	Used	Remarks
1	25	A) Rewinding The lifting of submergible pumpset from well	Each	1	
2	25	Transportation of pumping machineries	Each	\	
3	25	The Labour charges only for overhauling	Each	\	
4	10	A) Repairs to Motor: Rewinding of submergible pumpset with copper winding wires of appropriate guage, as per specifications and / or directions of the departmental officials, including all materials, labour, equipment and testing. for all types of submergible pumpsets etc.(with guarantee period not less than 6 months) For all types of submergible pumpsets above 10 H.P and upto 11 H.P.	Each	1	
5	15	For all types of submergible pumpsets above 11 H.P and upto 12 H.P	Each		
6	25	B) Replacement of Motor Parts:The STATOR of motor 4 to 5 H.P	Each	1	
7	25	The STATOR of motor 4 to 5 H.P	Each	\	
8	25	The upper flange	Each	1	
9	25	The lower flange	Each	1	
10	25	Upper / lower housing	Each	\	
11	25	Carbon housing Thrust bearing block assembly complete with segment bearing pad & tip carbon/Ferradopadding pad.	Each	1	
12	25	C) Replacement of pump parts: The following main components of submersible pump sets requiring replacement. The Oil Seal.	Each	1	
13	25	The Oil Seal.and steel bush	Each	1	
14	650	The Guide Vane	Each	34	
15	650	The Impeller (Shell moulded with aluminium and bronze.)	Each	34	
16	25	The discharge outlet (DO) bearing DO steel bush DO bearing	Each	1	
17	25	The steel bearing bush (DO steel bush)	Each	1	
18	25	The pump shaft made out of stainless steel counterless ground with key way (upto 8 stages). Extra for each stage @ Rs.40/-.	Each	\	
19	25	The Non Return Valve (NRV) assembly complete with rubber 'O' ring.	Each	1	
20	25	The cable guard	Each	1	
21	25	The brass filter	Each	\	
22	25	The Re-errection charges of pumping machineries including overhauling and painting	Each	1	
23	600	Additional Parts Submersible Cable 1x3x6.0 Sq.mm	M	104	
24	120	Providing, Supplying and fixing suitable for 1.1 KV class UG cable filled with necessary bitumen / insulating compound complete with terminals, clamps, bolts, nuts and washers etc. with necessary materials and labour tools and equipments as per instructions of engineer incharge of work.3x6 Sqm	M		
25	120	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) For Cutting Road Surface	M		
26	12	~~Supplying~~ and fixing of class A (medium duty) GI pipe of wall thickness ~~not less than~~ 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.40mm dia GI pipe	M		
27	5	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. 16Sqmm	No.		
28	3	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia	Job		
29	60	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.32 Amps	No.	3	
30	10	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6-32Amps TPN	No.	1	

Sl. No.	Approved Qty.	Description	Unit	Used	Rema.
31	46800	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete	Sq.Cm.		
32	50.63	Earth work excavation for pipeline trenches in all kinds of soils by mechanical means above 600 mm trench width as per drawing and technical specifications, including setting out, construction of shoring, strutting, barricading, caution lights, bracing, using sight rails & boning rods at every 100 mm whevere necessary as directed, removal of stumps and other deleterious matter, dressing of sides and levelling the bottom of trench to the extent required , utilising the available excavated earth locally for the work etc., and all other appurtenances complete in the following strata. All kinds of soils. Depth upto 1.50 m	Cum		
33	250	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete., 75mm(weight of pipe -0.917 kg	Rmtr		
34	28.13	Supplying and filling in plinth with sand under floors, foundation of Bridges including watering, ramming, consolidating and dressing complete	Cum		
35	22.5	Refilling available earth around trenches / pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications	Cum		
36	13	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendment Size 65 mm	Each		

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

LOG BOOK

8) **LOCATION:** Maariyannapalya 3rd cross. **DATE:** 13/02/23

Name of Work: Maintenance of water supply Existing borewells in Ward No. 09 Amruthahalli.

Sl. No.	Approved Qty.	Description	Unit	Used	Remarks
1	25	A) Rewinding The lifting of submergible pumpset from well	Each	1	
2	25	Transportation of pumping machineries	Each	1	
3	25	The Labour charges only for overhauling	Each	1	
4	10	A) Repairs to Motor: Rewinding of submergible pumpset with copper winding wires of appropriate guage, as per specifications and / or directions of the departmental officials, including all materials, labour, equipment and testing. for all types of submergible pumpsets etc.(with guarantee period not less than 6 months) For all types of submergible pumpsets above 10 H.P and upto 11 H.P.	Each	1	
5	15	For all types of submergible pumpsets above 11 H.P and upto 12 H.P	Each		
6	25	B) Replacement of Motor Parts:The STATOR of motor 4 to 5 H.P	Each	1	
7	25	The STATOR of motor 4 to 5 H.P	Each	1	
8	25	The upper flange	Each	1	
9	25	The lower flange	Each	1	
10	25	Upper / lower housing	Each	1	
11	25	Carbon housing Thrust bearing block assembly complete with segment bearing pad & tip carbon/Ferradopadding pad.	Each	1	
12	25	C) Replacement of pump parts: The following main components of submersible pump sets requiring replacement. The Oil Seal.	Each	1	
13	25	The Oil Seal.and steel bush	Each	1	
14	650	The Guide Vane	Each		
15	650	The Impeller (Shell moulded with aluminium and bronze.)	Each		
16	25	The discharge outlet (DO) bearing DO steel bush DO bearing	Each	1	
17	25	The steel bearing bush (DO steel bush)	Each	1	
18	25	The pump shaft made out of stainless steel counterless ground with key way (upto 8 stages). Extra for each stage @ Rs.40/-.	Each	1	
19	25	The Non Return Valve (NRV) assembly complete with rubber 'O' ring.	Each	1	
20	25	The cable guard	Each	1	
21	25	The brass filter	Each	1	
22	25	The Re-errection charges of pumping machineries including overhauling and painting	Each	1	
23	600	Additional Parts Submersible Cable 1x3x6.0 Sq.mm	M		
24	120	Providing, Supplying and fixing suitable for 1.1 KV class UG cable filled with necessary bitumen / insulating compound complete with terminals, clamps, bolts, nuts and washers etc. with necessary materials and labour tools and equipments as per instructions of engineer incharge of work.3x6 Sqm	M		
25	120	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) For Cutting Road Surface	M		
26	12	~~Supplying~~ and fixing of class A (medium duty) GI pipe of wall thickness ~~not less than~~ 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.40mm dia GI pipe	M		
27	5	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. 16Sqmm	No.		
28	3	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia	Job		
29	60	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.32 Amps	No.		
30	10	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6-32Amps TPN	No.		

Sl. No.	Approved Qty.	Description	Unit	Used	Rema...
31	46800	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete	Sq.Cm.		
32	50.63	Earth work excavation for pipeline trenches in all kinds of soils by mechanical means above 600 mm trench width as per drawing and technical specifications, including setting out, construction of shoring, strutting, barricading, caution lights, bracing, using sight rails & boning rods at every 100 mm whevere necessary as directed, removal of stumps and other deleterious matter, dressing of sides and levelling the bottom of trench to the extent required , utilising the available excavated earth locally for the work etc., and all other appurtenances complete in the following strata. All kinds of soils. Depth upto 1.50 m	Cum		
33	250	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete., 75mm(weight of pipe -0.917 kg	Rmtr		
34	28.13	Supplying and filling in plinth with sand under floors, foundation of Bridges including watering, ramming, consolidating and dressing complete	Cum		
35	22.5	Refilling available earth around trenches / pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications	Cum		
36	13	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendment Size 65 mm	Each	1	

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

LOG BOOK

LOCATION: Bhuvaneshwari nagara 20th Across **DATE:** 15/4/23

Name of Work: Maintenance of water supply Existing borewells in Ward No. 09 Amruthahalli.

Sl. No.	Approved Qty.	Description	Unit	Used	Remarks
1	25	A) Rewinding The lifting of submergible pumpset from well	Each	1	
2	25	Transportation of pumping machineries	Each	1	
3	25	The Labour charges only for overhauling	Each	1	
4	10	A) Repairs to Motor: Rewinding of submergible pumpset with copper winding wires of appropriate guage, as per specifications and / or directions of the departmental officials, including all materials, labour, equipment and testing. for all types of submergible pumpsets etc.(with guarantee period not less than 6 months) For all types of submergible pumpsets above 10 H.P and upto 11 H.P.	Each		
5	15	For all types of submergible pumpsets above 11 H.P and upto 12 H.P	Each	1	
6	25	B) Replacement of Motor Parts:The STATOR of motor 4 to 5 H.P	Each	1	
7	25	The STATOR of motor 4 to 5 H.P	Each	1	
8	25	The upper flange	Each	1	
9	25	The lower flange	Each	1	
10	25	Upper / lower housing	Each	1	
11	25	Carbon housing Thrust bearing block assembly complete with segment bearing pad & tip carbon/Ferradopadding pad.	Each	1	
12	25	C) Replacement of pump parts: The following main components of submersible pump sets requiring replacement. The Oil Seal.	Each	1	
13	25	The Oil Seal.and steel bush	Each	1	
14	650	The Guide Vane	Each	40	
15	650	The Impeller (Shell moulded with aluminium and bronze.)	Each	40	
16	25	The discharge outlet (DO) bearing DO steel bush DO bearing	Each	1	
17	25	The steel bearing bush (DO steel bush)	Each	1	
18	25	The pump shaft made out of stainless steel counterless ground with key way (upto 8 stages). Extra for each stage @ Rs.40/-.	Each	1	
19	25	The Non Return Valve (NRV) assembly complete with rubber 'O' ring.	Each	1	
20	25	The cable guard	Each	1	
21	25	The brass filter	Each	1	
22	25	The Re-errection charges of pumping machineries including overhauling and painting	Each	1	
23	600	Additional Parts Submersible Cable 1x3x6.0 Sq.mm	M	–	
24	120	Providing, Supplying and fixing suitable for 1.1 KV class UG cable filled with necessary bitumen / insulating compound complete with terminals, clamps, bolts, nuts and washers etc. with necessary materials and labour tools and equipments as per instructions of engineer incharge of work.3x6 Sqm	M	22	
25	120	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) For Cutting Road Surface	M	22	
26	12	~~Supplying~~ and fixing of class A (medium duty) GI pipe of wall thickness ~~not less than~~ 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.40mm dia GI pipe	M		
27	5	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. 16Sqmm	No.		
28	3	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia	Job		
29	60	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.32 Amps	No.	3	
30	10	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6-32Amps TPN	No.		

Sl. No.	Approved Qty.	Description	Unit	Used	Remarks
31	46800	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete	Sq.Cm.		
32	50.63	Earth work excavation for pipeline trenches in all kinds of soils by mechanical means above 600 mm trench width as per drawing and technical specifications, including setting out, construction of shoring, strutting, barricading, caution lights, bracing, using sight rails & boning rods at every 100 mm whevere necessary as directed, removal of stumps and other deleterious matter, dressing of sides and levelling the bottom of trench to the extent required , utilising the available excavated earth locally for the work etc., and all other appurtenances complete in the following strata. All kinds of soils. Depth upto 1.50 m	Cum		
33	250	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete., 75mm(weight of pipe -0.917 kg	Rmtr		
34	28.13	Supplying and filling in plinth with sand under floors, foundation of Bridges including watering, ramming, consolidating and dressing complete	Cum		
35	22.5	Refilling available earth around trenches / pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications	Cum		
36	13	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendment Size 65 mm	Each		

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

LOG BOOK

LOCATION: kavesi layout 2nd cross DATE: 26/12/22

Name of Work: **Maintenance of water supply Existing borewells in Ward No. 09 Amruthahalli.**

Sl. No.	Approved Qty.	Description	Unit	Used	Remarks
1	25	A) Rewinding The lifting of submergible pumpset from well	Each	1	
2	25	Transportation of pumping machineries	Each	1	
3	25	The Labour charges only for overhauling	Each	1	
4	10	A) Repairs to Motor: Rewinding of submergible pumpset with copper winding wires of appropriate guage, as per specifications and / or directions of the departmental officials, including all materials, labour, equipment and testing. for all types of submergible pumpsets etc.(with guarantee period not less than 6 months) For all types of submergible pumpsets above 10 H.P and upto 11 H.P.	Each	1	
5	15	For all types of submergible pumpsets above 11 H.P and upto 12 H.P	Each		
6	25	B) Replacement of Motor Parts:The STATOR of motor 4 to 5 H.P	Each	1	
7	25	The STATOR of motor 4 to 5 H.P	Each	1	
8	25	The upper flange	Each	1	
9	25	The lower flange	Each	1	
10	25	Upper / lower housing	Each	1	
11	25	Carbon housing Thrust bearing block assembly complete with segment bearing pad & tip carbon/Ferradopadding pad.	Each	1	
12	25	C) Replacement of pump parts: The following main components of submersible pump sets requiring replacement. The Oil Seal.	Each	1	
13	25	The Oil Seal.and steel bush	Each	1	
14	650	The Guide Vane	Each	48	
15	650	The Impeller (Shell moulded with aluminium and bronze.)	Each	48	
16	25	The discharge outlet (DO) bearing DO steel bush DO bearing	Each	1	
17	25	The steel bearing bush (DO steel bush)	Each	1	
18	25	The pump shaft made out of stainless steel counterless ground with key way (upto 8 stages). Extra for each stage @ Rs.40/-.	Each	1	
19	25	The Non Return Valve (NRV) assembly complete with rubber 'O' ring.	Each	1	
20	25	The cable guard	Each	1	
21	25	The brass filter	Each	1	
22	25	The Re-errection charges of pumping machineries including overhauling and painting	Each	1	
23	600	Additional Parts Submersible Cable 1x3x6.0 Sq.mm	M		
24	120	Providing, Supplying and fixing suitable for 1.1 KV class UG cable filled with necessary bitumen / insulating compound complete with terminals, clamps, bolts, nuts and washers etc. with necessary materials and labour tools and equipments as per instructions of engineer incharge of work.3 x6 Sqm	M		
25	120	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) For Cutting Road Surface	M		
26	12	~~Supplying~~ and fixing of class A (medium duty) GI pipe of wall thickness ~~not less than~~ 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.40mm dia GI pipe	M		
27	5	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. 16Sqmm	No.		
28	3	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia	Job		
29	60	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.32 Amps	No.	3	
30	10	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6-32Amps TPN	No.		

Sl. No.	Approved Qty.	Description	Unit	Used	Rema.
31	46800	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete	Sq.Cm.		
32	50.63	Earth work excavation for pipeline trenches in all kinds of soils by mechanical means above 600 mm trench width as per drawing and technical specifications, including setting out, construction of shoring, strutting, barricading, caution lights, bracing, using sight rails & boning rods at every 100 mm whevere necessary as directed, removal of stumps and other deleterious matter, dressing of sides and levelling the bottom of trench to the extent required , utilising the available excavated earth locally for the work etc., and all other appurtenances complete in the following strata. All kinds of soils. Depth upto 1.50 m	Cum		
33	250	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete., 75mm(weight of pipe -0.917 kg	Rmtr		
34	28.13	Supplying and filling in plinth with sand under floors, foundation of Bridges including watering, ramming, consolidating and dressing complete	Cum		
35	22.5	Refilling available earth around trenches / pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications	Cum		
36	13	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendment Size 65 mm	Each	8 1	

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

LOG BOOK

1) **LOCATION:** Dasarahalli Burial Ground. **DATE:** 01/02/23.

Name of Work: Maintenance of water supply Existing borewells in Ward No. 09 Amruthahalli.

Sl. No.	Approved Qty.	Description	Unit	Used	Remarks
1	25	A) Rewinding The lifting of submergible pumpset from well	Each	1	
2	25	Transportation of pumping machineries	Each	1	
3	25	The Labour charges only for overhauling	Each	1	
4	10	A) Repairs to Motor: Rewinding of submergible pumpset with copper winding wires of appropriate guage, as per specifications and / or directions of the departmental officials, including all materials, labour, equipment and testing. for all types of submergible pumpsets etc.(with guarantee period not less than 6 months) For all types of submergible pumpsets above 10 H.P and upto 11 H.P.	Each	1	
5	15	For all types of submergible pumpsets above 11 H.P and upto 12 H.P	Each		
6	25	B) Replacement of Motor Parts:The STATOR of motor 4 to 5 H.P	Each	1	
7	25	The STATOR of motor 4 to 5 H.P	Each	1	
8	25	The upper flange	Each	1	
9	25	The lower flange	Each	1	
10	25	Upper / lower housing	Each	1	
11	25	Carbon housing Thrust bearing block assembly complete with segment bearing pad & tip carbon/Ferradopadding pad.	Each	1	
12	25	C) Replacement of pump parts: The following main components of submersible pump sets requiring replacement. The Oil Seal.	Each	1	
13	25	The Oil Seal.and steel bush	Each	1	
14	650	The Guide Vane	Each	42	
15	650	The Impeller (Shell moulded with aluminium and bronze.)	Each	42	
16	25	The discharge outlet (DO) bearing DO steel bush DO bearing	Each	1	
17	25	The steel bearing bush (DO steel bush)	Each	1	
18	25	The pump shaft made out of stainless steel counterless ground with key way (upto 8 stages). Extra for each stage @ Rs.40/-.	Each	1	
19	25	The Non Return Valve (NRV) assembly complete with rubber 'O' ring.	Each	1	
20	25	The cable guard	Each	1	
21	25	The brass filter	Each	1	
22	25	The Re-errection charges of pumping machineries including overhauling and painting	Each	1	
23	600	Additional Parts Submersible Cable 1x3x6.0 Sq.mm	M		
24	120	Providing, Supplying and fixing suitable for 1.1 KV class UG cable filled with necessary bitumen / insulating compound complete with terminals, clamps, bolts, nuts and washers etc. with necessary materials and labour tools and equipments as per instructions of engineer incharge of work.3 x6 Sqm	M		
25	120	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) For Cutting Road Surface	M		
26	12	~~Supplying~~ and fixing of class A (medium duty) GI pipe of wall thickness ~~not less than~~ 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.40mm dia GI pipe	M		
27	5	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. 16Sqmm	No.		
28	3	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia	Job		
29	60	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.32 Amps	No.	3	
30	10	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6-32Amps TPN	No.		

Sl. No.	Approved Qty.	Description	Unit	Used	Remarks
31	46800	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete	Sq.Cm.		
32	50.63	Earth work excavation for pipeline trenches in all kinds of soils by mechanical means above 600 mm trench width as per drawing and technical specifications, including setting out, construction of shoring, strutting, barricading, caution lights, bracing, using sight rails & boning rods at every 100 mm whevere necessary as directed, removal of stumps and other deleterious matter, dressing of sides and levelling the bottom of trench to the extent required , utilising the available excavated earth locally for the work etc., and all other appurtenances complete in the following strata. All kinds of soils. Depth upto 1.50 m	Cum		
33	250	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete., 75mm(weight of pipe -0.917 kg	Rmtr		
34	28.13	Supplying and filling in plinth with sand under floors, foundation of Bridges including watering, ramming, consolidating and dressing complete	Cum		
35	22.5	Refilling available earth around trenches / pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications	Cum		
36	13	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendment Size 65 mm	Each		

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

LOG BOOK

12) **LOCATION:** Hoodi layout 5th cross **DATE:** 06/03/23.

Name of Work: Maintenance of water supply Existing borewells in Ward No. 09 Amruthahalli.

Sl. No.	Approved Qty.	Description	Unit	Used	Remarks
1	25	A) Rewinding The lifting of submergible pumpset from well	Each	1	
2	25	Transportation of pumping machineries	Each	1	
3	25	The Labour charges only for overhauling	Each	1	
4	10	A) Repairs to Motor: Rewinding of submergible pumpset with copper winding wires of appropriate guage, as per specifications and / or directions of the departmental officials, including all materials, labour, equipment and testing. for all types of submergible pumpsets etc.(with guarantee period not less than 6 months) For all types of submergible pumpsets above 10 H.P and upto 11 H.P.	Each		
5	15	For all types of submergible pumpsets above 11 H.P and upto 12 H.P	Each	1	
6	25	B) Replacement of Motor Parts:The STATOR of motor 4 to 5 H.P	Each	1	
7	25	The STATOR of motor 4 to 5 H.P	Each	1	
8	25	The upper flange	Each	1	
9	25	The lower flange	Each	1	
10	25	Upper / lower housing	Each	1	
11	25	Carbon housing Thrust bearing block assembly complete with segment bearing pad & tip carbon/Ferradopadding pad.	Each	1	
12	25	C) Replacement of pump parts: The following main components of submersible pump sets requiring replacement. The Oil Seal.	Each	1	
13	25	The Oil Seal.and steel bush	Each	1	
14	650	The Guide Vane	Each	48	
15	650	The Impeller (Shell moulded with aluminium and bronze.)	Each	48	
16	25	The discharge outlet (DO) bearing DO steel bush DO bearing	Each	1	
17	25	The steel bearing bush (DO steel bush)	Each	1	
18	25	The pump shaft made out of stainless steel counterless ground with key way (upto 8 stages). Extra for each stage @ Rs.40/-.	Each	1	
19	25	The Non Return Valve (NRV) assembly complete with rubber 'O' ring.	Each	1	
20	25	The cable guard	Each	1	
21	25	The brass filter	Each	1	
22	25	The Re-errection charges of pumping machineries including overhauling and painting	Each	1	
23	600	Additional Parts Submersible Cable 1x3x6.0 Sq.mm	M	490	
24	120	Providing, Supplying and fixing suitable for 1.1 KV class UG cable filled with necessary bitumen / insulating compound complete with terminals, clamps, bolts, nuts and washers etc. with necessary materials and labour tools and equipments as per instructions of engineer incharge of work.3x6 Sqm	M	25	
25	120	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) For Cutting Road Surface	M	25	
26	12	~~Supplying~~ and fixing of class A (medium duty) GI pipe of wall thickness ~~not less than~~ 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.40mm dia GI pipe	M	6	
27	5	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. 16Sqmm	No.		
28	3	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia	Job	1	
29	60	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.32 Amps	No.		
30	10	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6-32Amps TPN	No.		

Sl. No.	Approved Qty.	Description	Unit	Used	Remarks
31	46800	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete	Sq.Cm.		
32	50.63	Earth work excavation for pipeline trenches in all kinds of soils by mechanical means above 600 mm trench width as per drawing and technical specifications, including setting out, construction of shoring, strutting, barricading, caution lights, bracing, using sight rails & boning rods at every 100 mm wherever necessary as directed, removal of stumps and other deleterious matter, dressing of sides and levelling the bottom of trench to the extent required , utilising the available excavated earth locally for the work etc., and all other appurtenances complete in the following strata. All kinds of soils. Depth upto 1.50 m	Cum		
33	250	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete., 75mm(weight of pipe -0.917 kg	Rmtr		
34	28.13	Supplying and filling in plinth with sand under floors, foundation of Bridges including watering, ramming, consolidating and dressing complete	Cum		
35	22.5	Refilling available earth around trenches / pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications	Cum		
36	13	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendment Size 65 mm	Each	1	

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

LOG BOOK

(13) **LOCATION:** Amruthahalli Lake near Hanuman temple. **DATE:** 20/5/23.

Name of Work: Maintenance of water supply Existing borewells in Ward No. 09 Amruthahalli.

Sl. No.	Approved Qty.	Description	Unit	Used	Remarks
1	25	A) Rewinding The lifting of submergible pumpset from well	Each	1	
2	25	Transportation of pumping machineries	Each	1	
3	25	The Labour charges only for overhauling	Each	1	
4	10	A) Repairs to Motor: Rewinding of submergible pumpset with copper winding wires of appropriate guage, as per specifications and / or directions of the departmental officials, including all materials, labour, equipment and testing. for all types of submergible pumpsets etc.(with guarantee period not less than 6 months) For all types of submergible pumpsets above 10 H.P and upto 11 H.P.	Each		
5	15	For all types of submergible pumpsets above 11 H.P and upto 12 H.P	Each	1	
6	25	B) Replacement of Motor Parts:The STATOR of motor 4 to 5 H.P	Each	1	
7	25	The STATOR of motor 4 to 5 H.P	Each	1	
8	25	The upper flange	Each	1	
9	25	The lower flange	Each	1	
10	25	Upper / lower housing	Each	1	
11	25	Carbon housing Thrust bearing block assembly complete with segment bearing pad & tip carbon/Ferradopadding pad.	Each	1	
12	25	C) Replacement of pump parts: The following main components of submersible pump sets requiring replacement. The Oil Seal.	Each	1	
13	25	The Oil Seal.and steel bush	Each	1	
14	650	The Guide Vane	Each		
15	650	The Impeller (Shell moulded with aluminium and bronze.)	Each		
16	25	The discharge outlet (DO) bearing DO steel bush DO bearing	Each	1	
17	25	The steel bearing bush (DO steel bush)	Each	1	
18	25	The pump shaft made out of stainless steel counterless ground with key way (upto 8 stages). Extra for each stage @ Rs.40/-.	Each	1	
19	25	The Non Return Valve (NRV) assembly complete with rubber 'O' ring.	Each	1	
20	25	The cable guard	Each	1	
21	25	The brass filter	Each	1	
22	25	The Re-errection charges of pumping machineries including overhauling and painting	Each	1	
23	600	Additional Parts Submersible Cable 1x3x6.0 Sq.mm	M		
24	120	Providing, Supplying and fixing suitable for 1.1 KV class UG cable filled with necessary bitumen / insulating compound complete with terminals, clamps, bolts, nuts and washers etc. with necessary materials and labour tools and equipments as per instructions of engineer incharge of work.3x6 Sqm	M		
25	120	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) For Cutting Road Surface	M		
26	12	~~Supplying~~ and fixing of class A (medium duty) GI pipe of wall thickness ~~not less than~~ 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.40mm dia GI pipe	M		
27	5	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. 16Sqmm	No.	1	
28	3	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia	Job		
29	60	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.32 Amps	No.	3	
30	10	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6-32Amps TPN	No.	1	

Sl. No.	Approved Qty.	Description	Unit	Used	Remarks
31	46800	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete	Sq.Cm.		
32	50.63	Earth work excavation for pipeline trenches in all kinds of soils by mechanical means above 600 mm trench width as per drawing and technical specifications, including setting out, construction of shoring, strutting, barricading, caution lights, bracing, using sight rails & boning rods at every 100 mm whevere necessary as directed, removal of stumps and other deleterious matter, dressing of sides and levelling the bottom of trench to the extent required , utilising the available excavated earth locally for the work etc., and all other appurtenances complete in the following strata. All kinds of soils. Depth upto 1.50 m	Cum		
33	250	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete., 75mm(weight of pipe -0.917 kg	Rmtr		
34	28.13	Supplying and filling in plinth with sand under floors, foundation of Bridges including watering, ramming, consolidating and dressing complete	Cum		
35	22.5	Refilling available earth around trenches / pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications	Cum		
36	13	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendment Size 65 mm	Each		

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

LOG BOOK

14) **LOCATION:** Dasarahalli Ward Shiva Apt. **DATE:** 03/02/23

Name of Work: Maintenance of water supply Existing borewells in Ward No. 09 Amruthahalli.

Sl. No.	Approved Qty.	Description	Unit	Used	Remarks
1	25	A) Rewinding The lifting of submergible pumpset from well	Each	1	
2	25	Transportation of pumping machineries	Each	1	
3	25	The Labour charges only for overhauling	Each	1	
4	10	A) Repairs to Motor: Rewinding of submergible pumpset with copper winding wires of appropriate guage, as per specifications and / or directions of the departmental officials, including all materials, labour, equipment and testing. for all types of submergible pumpsets etc.(with guarantee period not less than 6 months) For all types of submergible pumpsets above 10 H.P and upto 11 H.P.	Each		
5	15	For all types of submergible pumpsets above 11 H.P and upto 12 H.P	Each	1	
6	25	B) Replacement of Motor Parts:The STATOR of motor 4 to 5 H.P	Each	1	
7	25	The STATOR of motor 4 to 5 H.P	Each	1	
8	25	The upper flange	Each	1	
9	25	The lower flange	Each	1	
10	25	Upper / lower housing	Each	1	
11	25	Carbon housing Thrust bearing block assembly complete with segment bearing pad & tip carbon/Ferradopadding pad.	Each	1	
12	25	C) Replacement of pump parts: The following main components of submersible pump sets requiring replacement. The Oil Seal.	Each	1	
13	25	The Oil Seal.and steel bush	Each	1	
14	650	The Guide Vane	Each		
15	650	The Impeller (Shell moulded with aluminium and bronze.)	Each		
16	25	The discharge outlet (DO) bearing DO steel bush DO bearing	Each	1	
17	25	The steel bearing bush (DO steel bush)	Each	1	
18	25	The pump shaft made out of stainless steel counterless ground with key way (upto 8 stages). Extra for each stage @ Rs.40/-.	Each	1	
19	25	The Non Return Valve (NRV) assembly complete with rubber 'O' ring.	Each	1	
20	25	The cable guard	Each	1	
21	25	The brass filter	Each	1	
22	25	The Re-errection charges of pumping machineries including overhauling and painting	Each	1	
23	600	Additional Parts Submersible Cable 1x3x6.0 Sq.mm	M		
24	120	Providing, Supplying and fixing suitable for 1.1 KV class UG cable filled with necessary bitumen / insulating compound complete with terminals, clamps, bolts, nuts and washers etc. with necessary materials and labour tools and equipments as per instructions of engineer incharge of work.3x6 Sqm	M		
25	120	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) For Cutting Road Surface	M		
26	12	~~Supplying~~ and fixing of class A (medium duty) GI pipe of wall thickness ~~not less than~~ 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.40mm dia GI pipe	M		
27	5	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. 16Sqmm	No.		
28	3	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia	Job		
29	60	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.32 Amps	No.	3	
30	10	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6-32Amps TPN	No.	1	

Sl. No.	Approved Qty.	Description	Unit	Used	Rema
31	46800	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete	Sq.Cm.		
32	50.63	Earth work excavation for pipeline trenches in all kinds of soils by mechanical means above 600 mm trench width as per drawing and technical specifications, including setting out, construction of shoring, strutting, barricading, caution lights, bracing, using sight rails & boning rods at every 100 mm whevere necessary as directed, removal of stumps and other deleterious matter, dressing of sides and levelling the bottom of trench to the extent required , utilising the available excavated earth locally for the work etc., and all other appurtenances complete in the following strata. All kinds of soils. Depth upto 1.50 m	Cum		
33	250	Providing and installing at site of work P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete., 75mm(weight of pipe -0.917 kg	Rmtr		
34	28.13	Supplying and filling in plinth with sand under floors, foundation of Bridges including watering, ramming, consolidating and dressing complete	Cum		
35	22.5	Refilling available earth around trenches / pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications	Cum		
36	13	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendment Size 65 mm	Each		

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore